

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

05/31/2011

Laura Martin
Assistant District Attorney, Norfolk County

Dear ADA Martin,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan & Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read 'Annie Dookhan'.

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00


2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

DRUG RECEIPT

City or Department: Weymouth Police Reference No.: 

Name and Rank of Submitting Officer: Det Thomas Anderson

Defendant(s) Name (last, first, initial):



To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight

Lab Number

2 plastic bags with white powder
10-1489-PR

5.75g



Received by: 

Date: 11-10-10

No. [REDACTED]
City: Weymouth Police Dept.
Officer: Detective THOMAS ANDERSON
Def: [REDACTED]

Date Analyzed: 1/31/11

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 11/10/2010

No. Analyzed:

Gross Wt.: 5.75

Net Weight: 1.34

Tests: 12 ASD
- 4 KAC

Prelim: Cocaine (10)

Findings: Cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Weymouth ANALYST ADJ

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

off white chunky substance
11.2 gbs

Gross Wt (2): 1.5158

Gross Wt (4):

Pkg. Wt:

Net Wt:

->

PRELIMINARY TESTS

Spot Tests

2 Cobalt
Thiocyanate (-) +
2 Marquis -
2 Froehde's -
2 Mecke's -

Microcrystalline Tests

2 Gold
Chloride +
2 TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 1-21-11

GC/MS CONFIRMATORY TEST


RESULTS cocaine

MS
OPERATOR KAC

DATE 1-31-11

Sample #: [REDACTED]

samples tested: 2

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	0.5141		0.4471	26			
2	^{AVG} 0.10014		0.9011	27			
3				28			
4				29			
5				30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

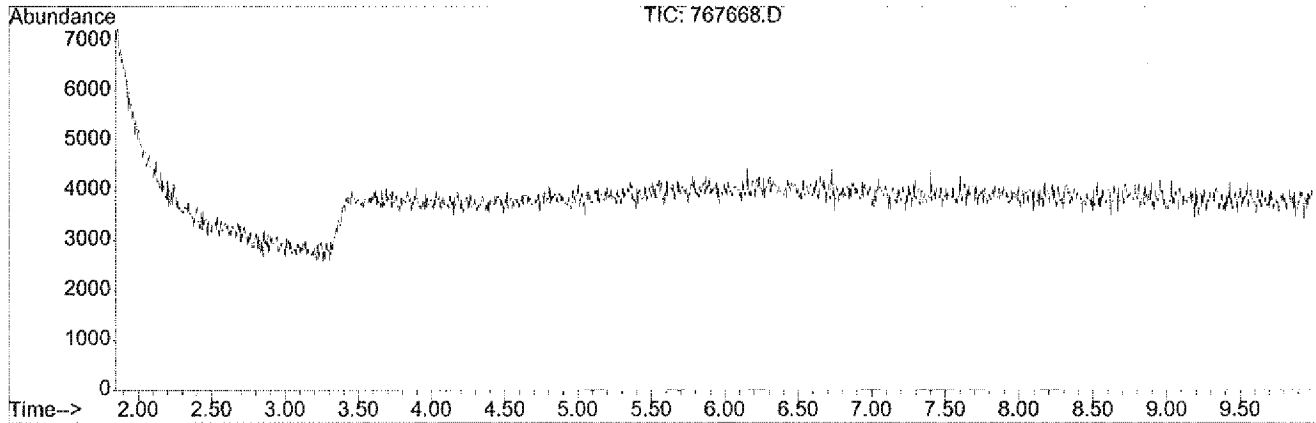
Calculations:

$$\text{Net wt wt} = 1.3482$$

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767668.D
Operator : ASD/KAC
Date Acquired : 25 Jan 2011 21:08
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



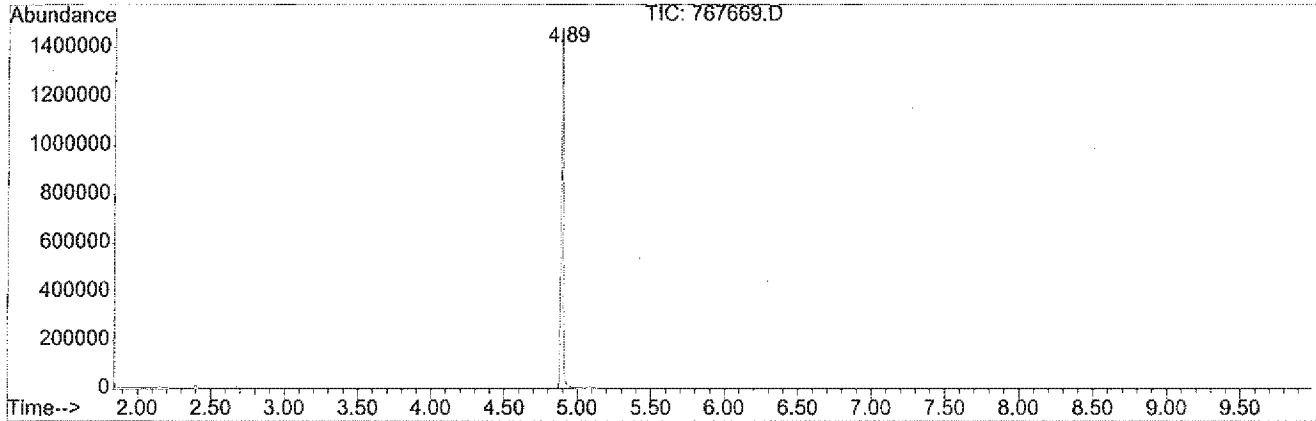
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767669.D
 Operator : ASD/KAC
 Date Acquired : 25 Jan 2011 21:21
 Sample Name : COCAINE STD
 Submitted by : ASD
 Vial Number : 47
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.891	1495540	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

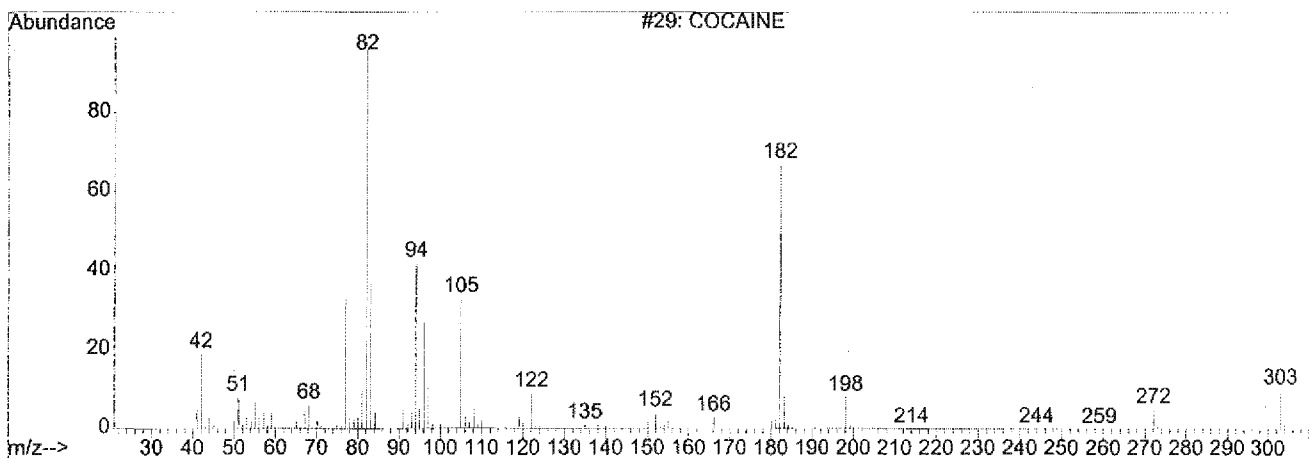
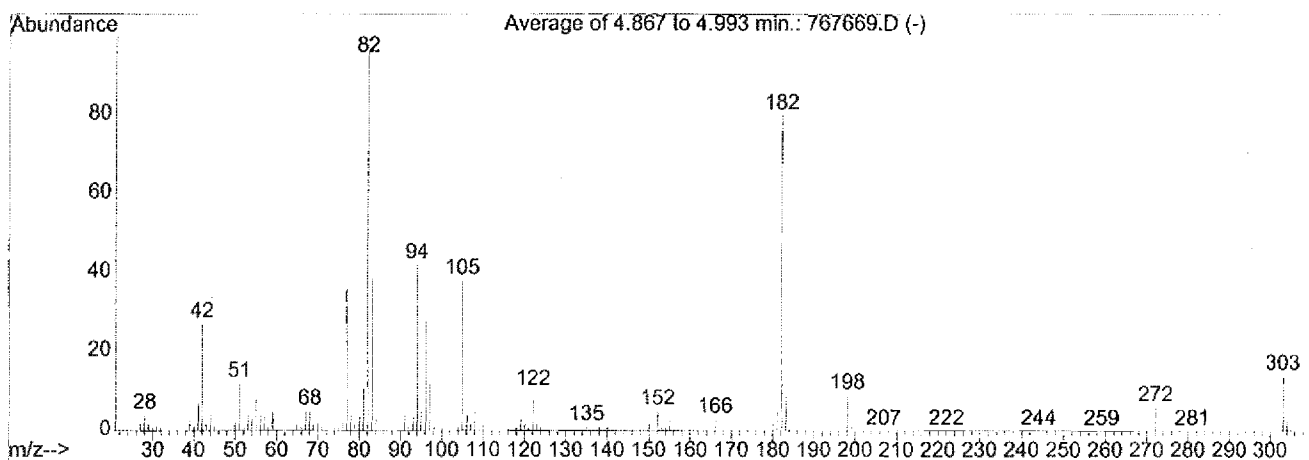
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File Name       : F:\Q1-2011\SYSTEM8\01_25_11\767669.D
Operator        : ASD/KAC
Date Acquired   : 25 Jan 2011  21:21
Sample Name     : COCAINE STD
Submitted by    : ASD
Vial Number     : 47
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
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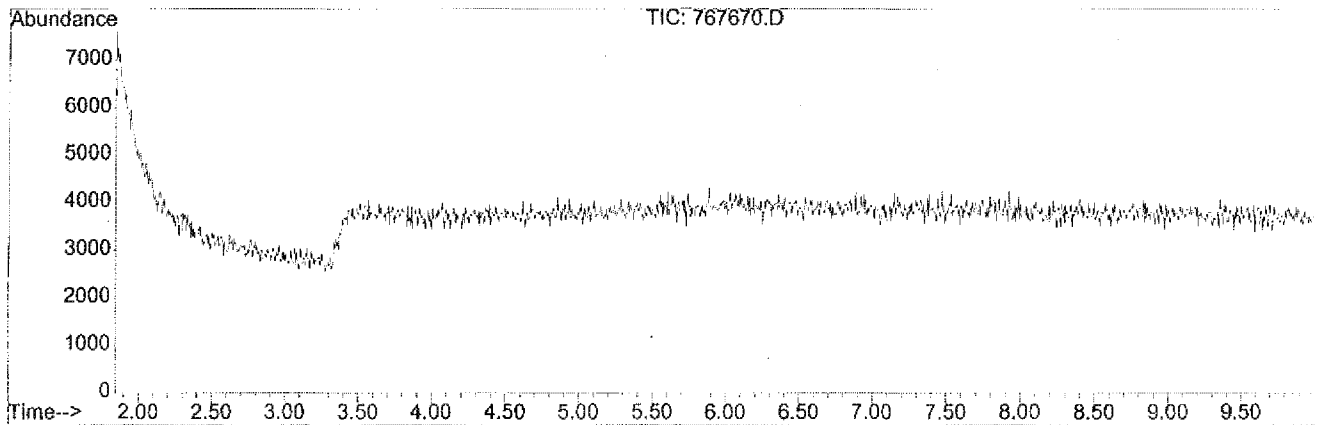
PK#	RT	Library/ID	CAS#	Qual
1	4.89	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767670.D
Operator : ASD/KAC
Date Acquired : 25 Jan 2011 21:33
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



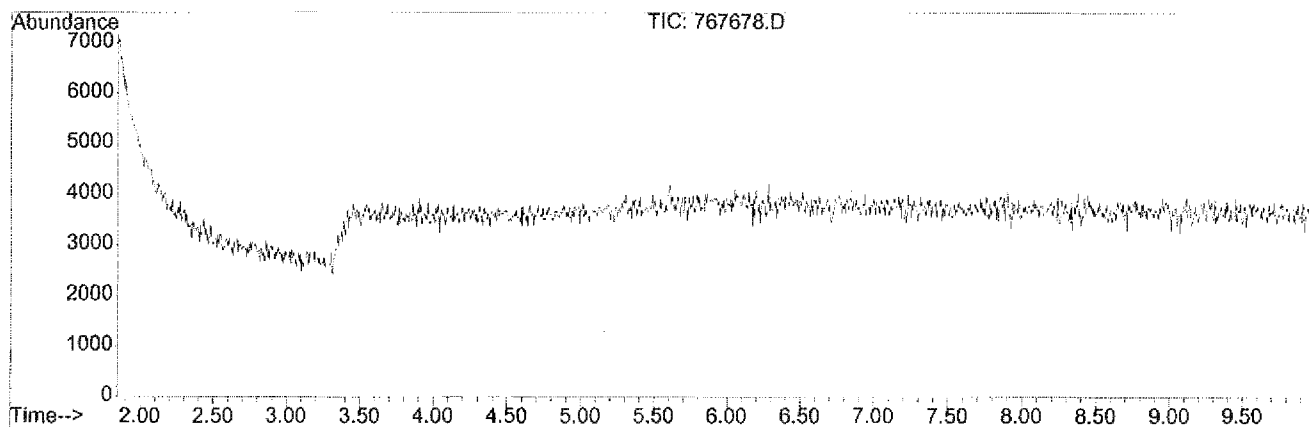
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767678.D
Operator : ASD/KAC
Date Acquired : 25 Jan 2011 23:12
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



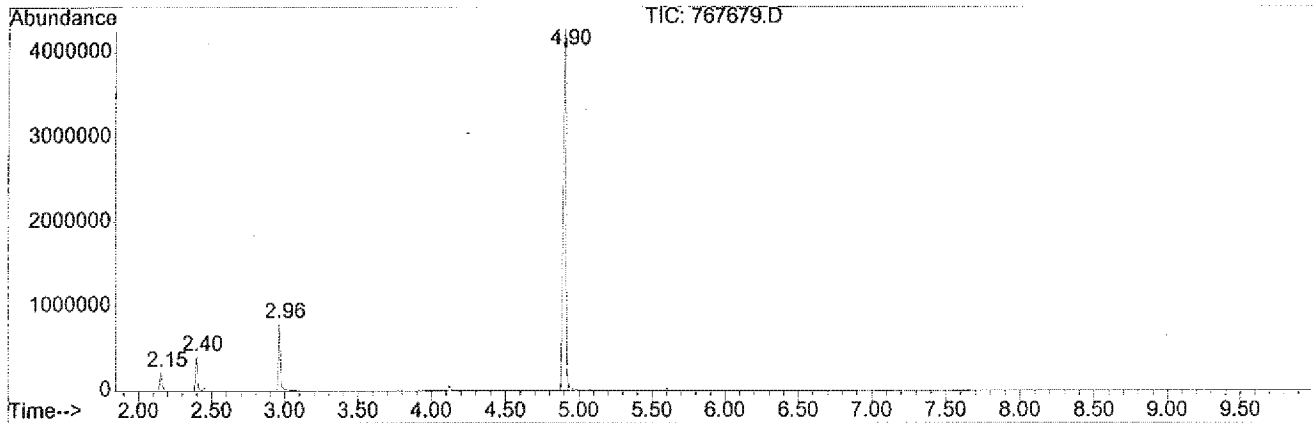
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767679.D
 Operator : ASD/KAC
 Date Acquired : 25 Jan 2011 23:25
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 79
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.154	257745	3.60	4.51
2.400	375955	5.25	6.58
2.963	821878	11.47	14.39
4.903	5709828	79.69	100.00

Area Percent / Library Search Report

Information from Data File:

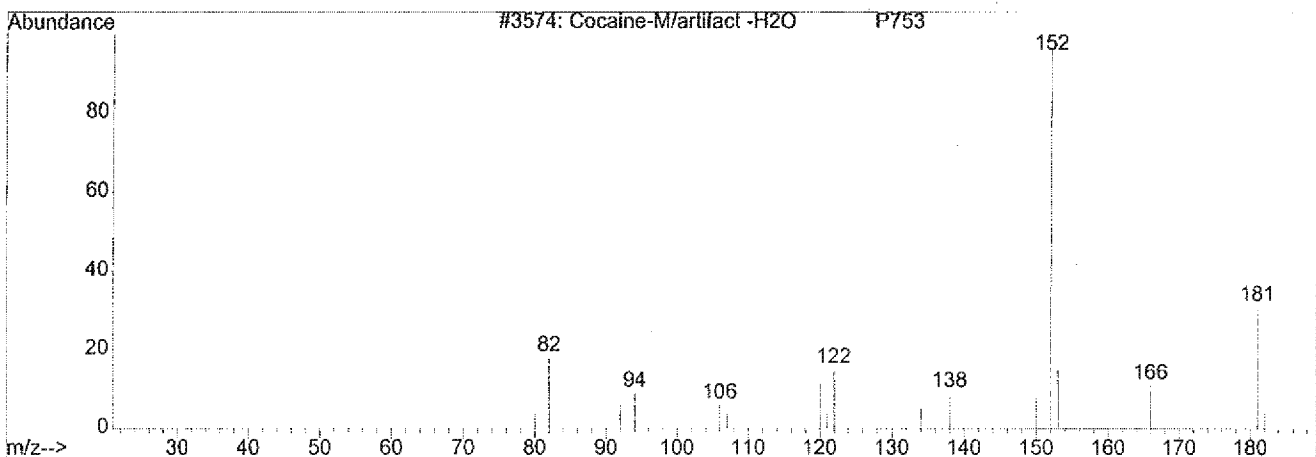
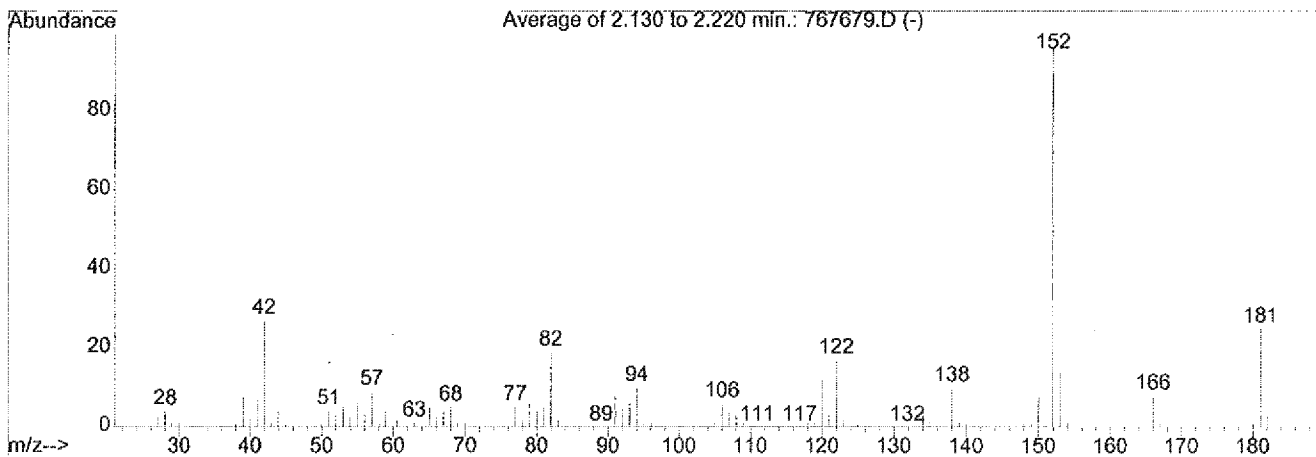
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File Name       : F:\Q1-2011\SYSTEM8\01_25_11\767679.D
Operator        : ASD/KAC
Date Acquired   : 25 Jan 2011  23:25
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 79
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	2.15	C:\DATABASE\PMW_TOX2.L		
		Cocaine-M/artifact -H2O	000000-00-0	96
		MDA-M (desmethylenyl-methyl-) ME @	000000-00-0	25
		Metipranolol-M/artifact AC	000000-00-0	23



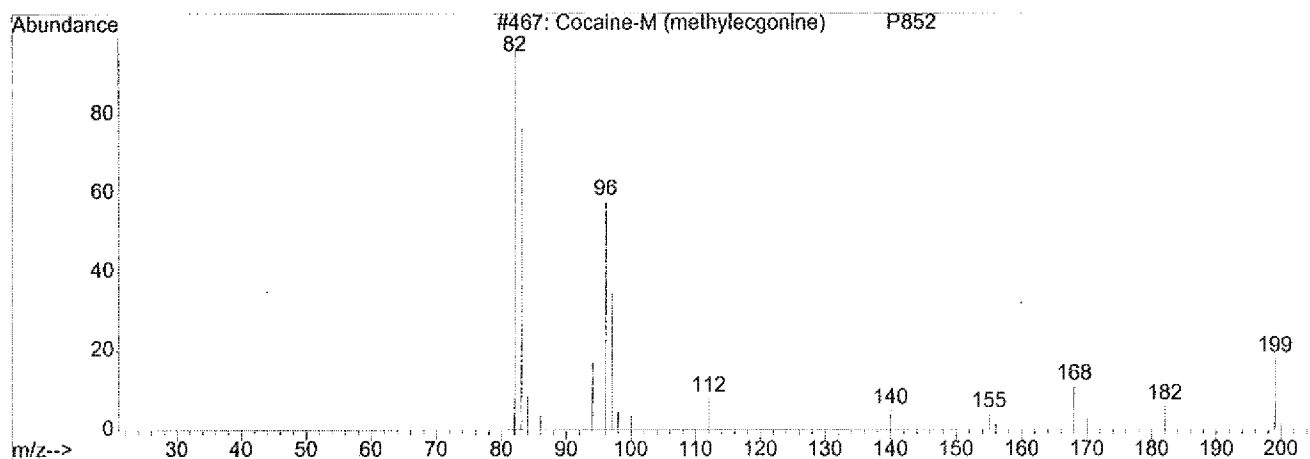
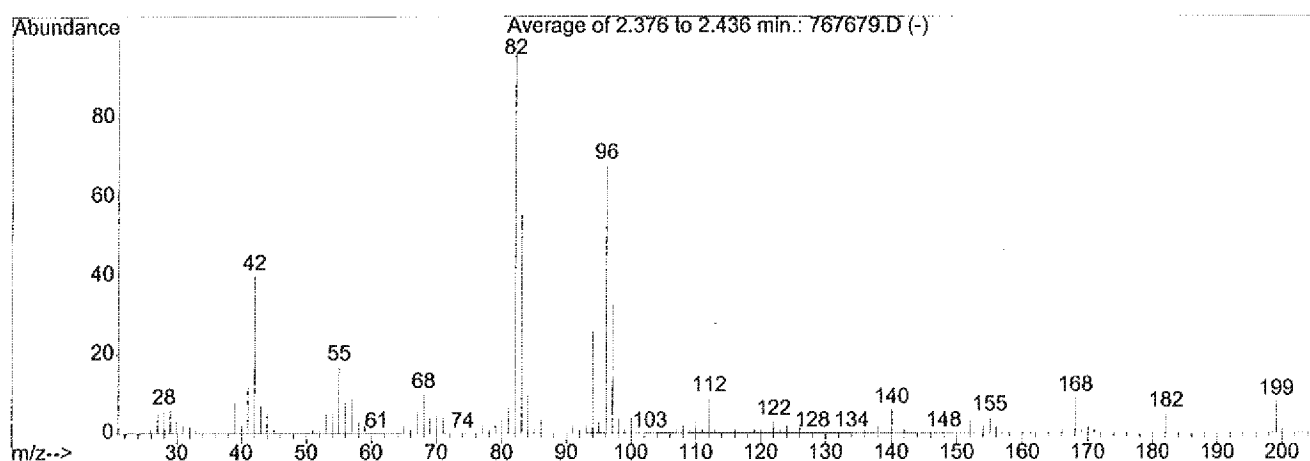
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767679.D
 Operator : ASD/KAC
 Date Acquired : 25 Jan 2011 23:25
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 79
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	2.40	C:\DATABASE\PMW_TOX2.L		
		Cocaine-M (methylecgonine)	007143-09-1	96
		Cocaine	000050-36-2	38
		Cocaine-M (methylecgonine) AC	000000-00-0	25



Area Percent / Library Search Report

Information from Data File:

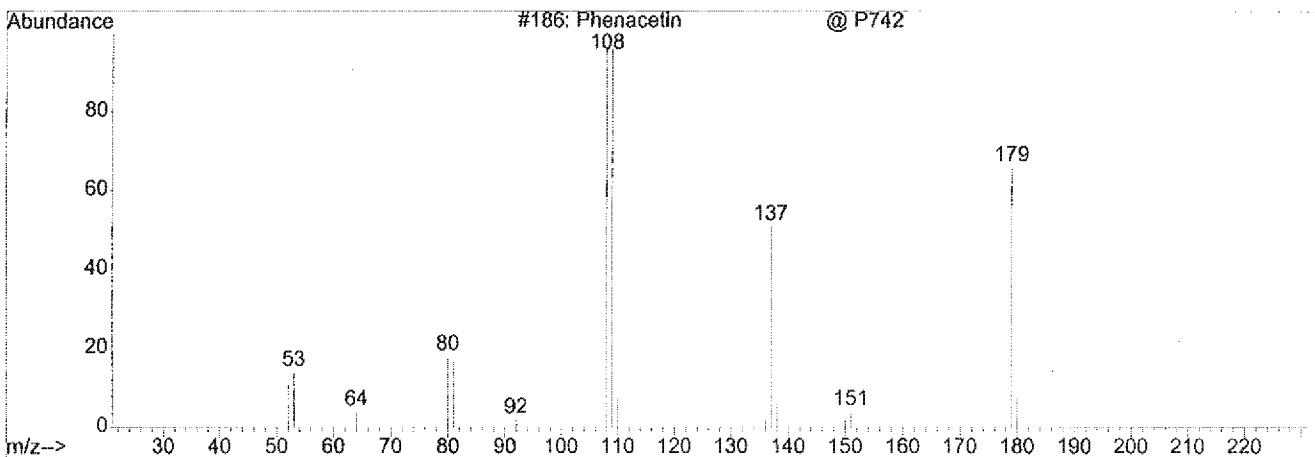
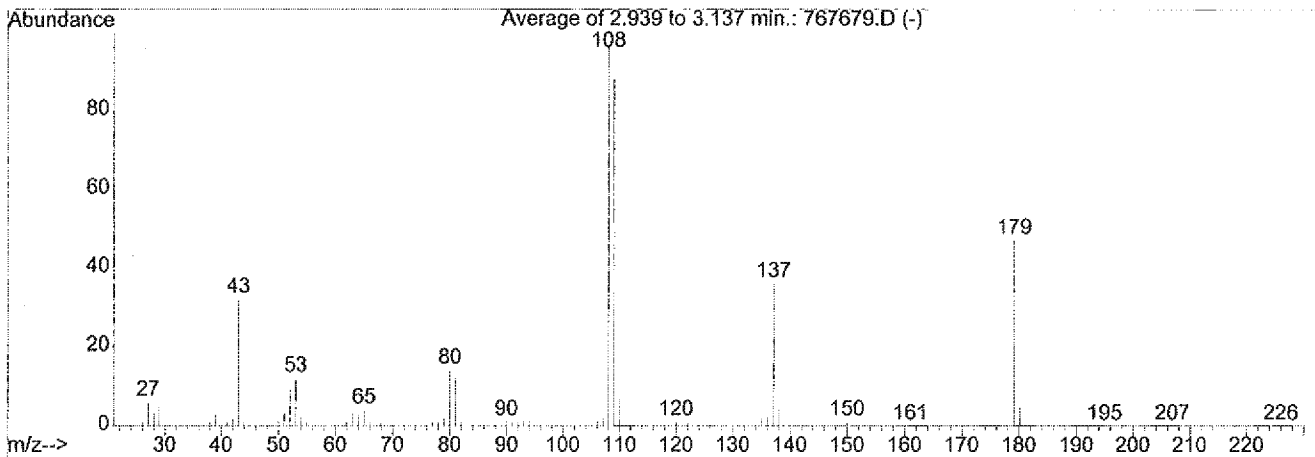
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File Name       : F:\Q1-2011\SYSTEM8\01_25_11\767679.D
Operator        : ASD/KAC
Date Acquired   : 25 Jan 2011   23:25
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 79
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	2.96	C:\DATABASE\PMW_TOX2.L		
		Phenacetin	@ 000062-44-2	91
		Bucetin	001083-57-4	43
		Paracetamol	@ 000103-90-2	25



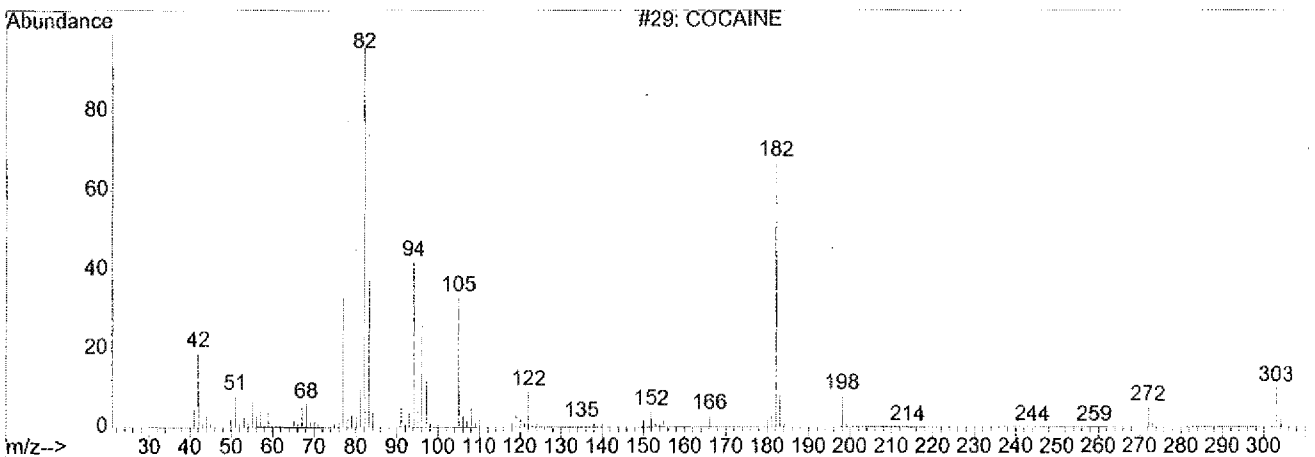
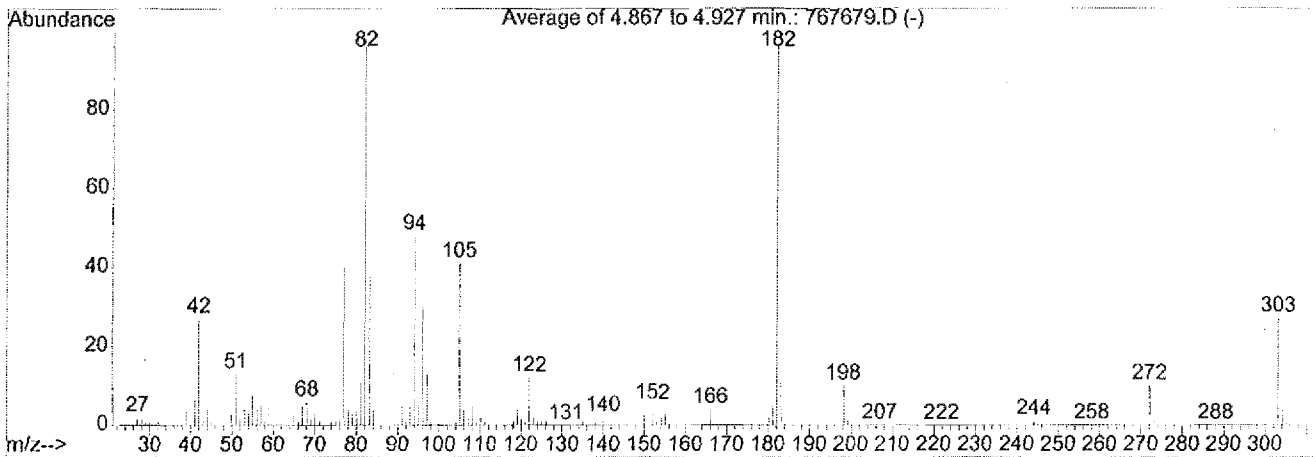
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767679.D
 Operator : ASD/KAC
 Date Acquired : 25 Jan 2011 23:25
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 79
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

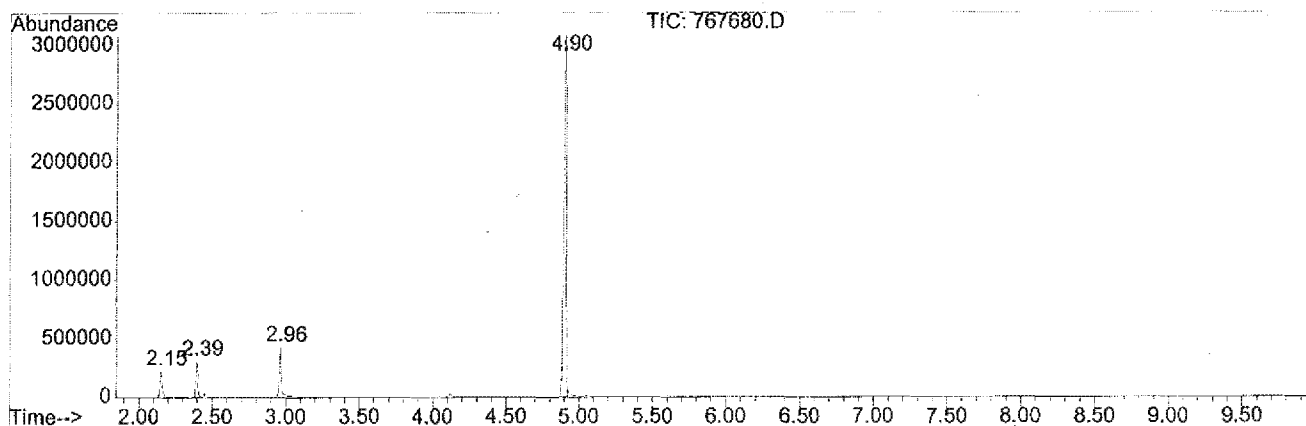
PK#	RT	Library/ID	CAS#	Qual
4	4.90	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767680.D
 Operator : ASD/KAC
 Date Acquired : 25 Jan 2011 23:37
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 80
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.148	259567	5.52	6.96
2.394	273442	5.81	7.33
2.963	442327	9.40	11.86
4.903	3729293	79.27	100.00

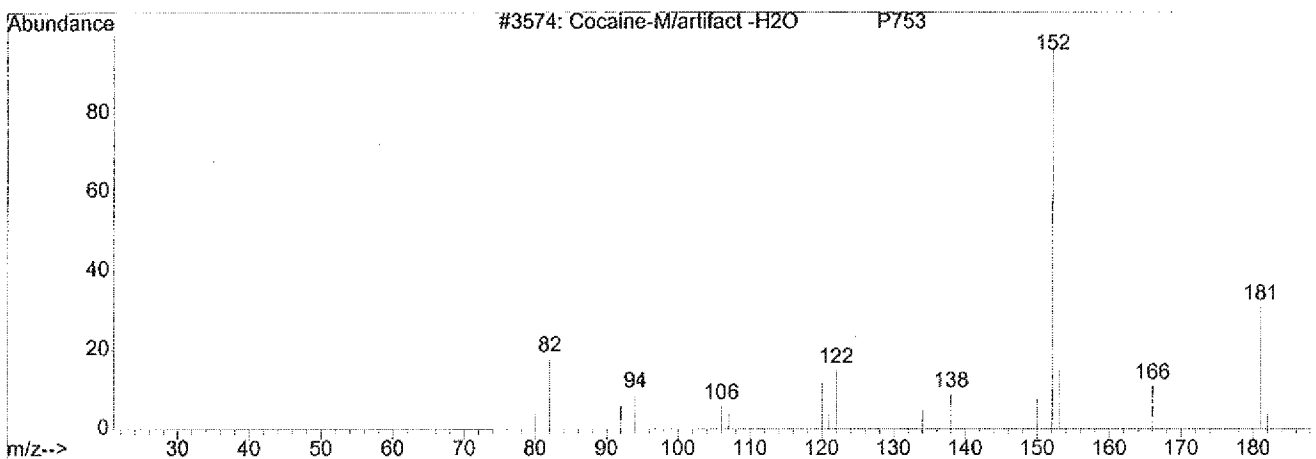
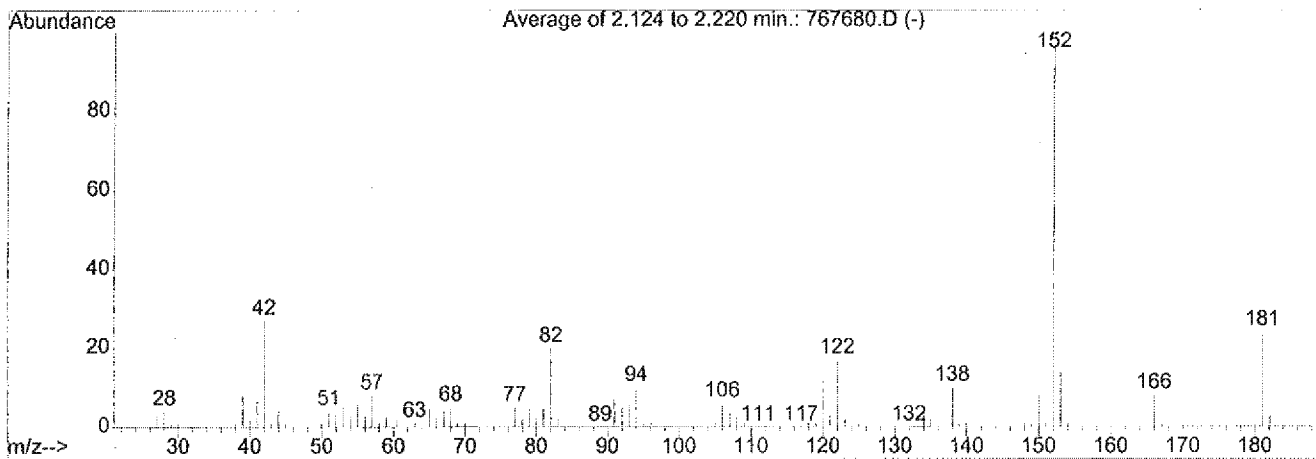
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767680.D
 Operator : ASD/KAC
 Date Acquired : 25 Jan 2011 23:37
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 80
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	2.15	C:\DATABASE\PMW_TOX2.L		
		Cocaine-M/artifact -H2O	000000-00-0	97
		Metipranolol-M/artifact AC	000000-00-0	32
		MDA-M (desmethylenyl-methyl-) ME @	000000-00-0	25



Area Percent / Library Search Report

Information from Data File:

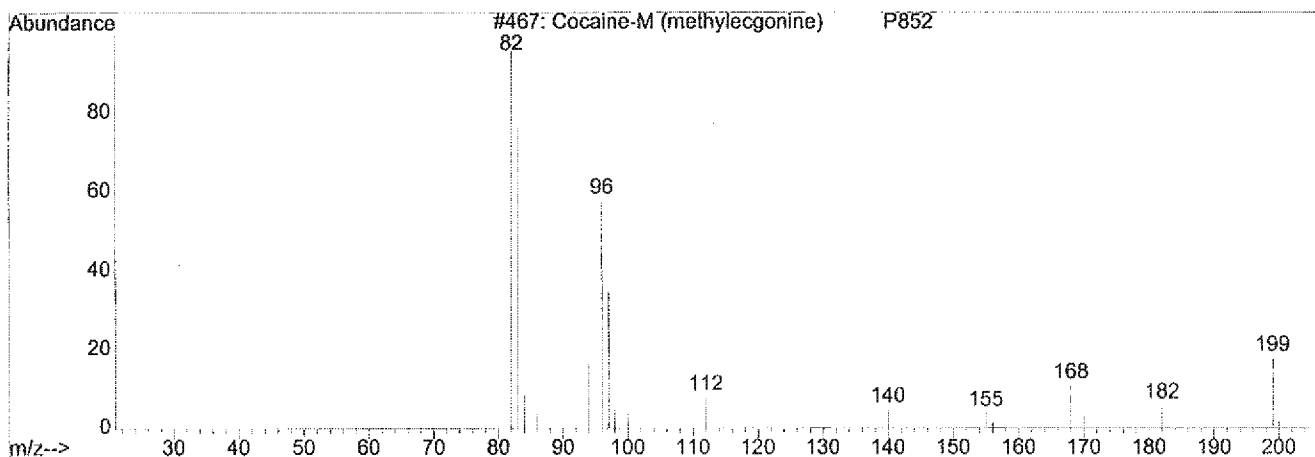
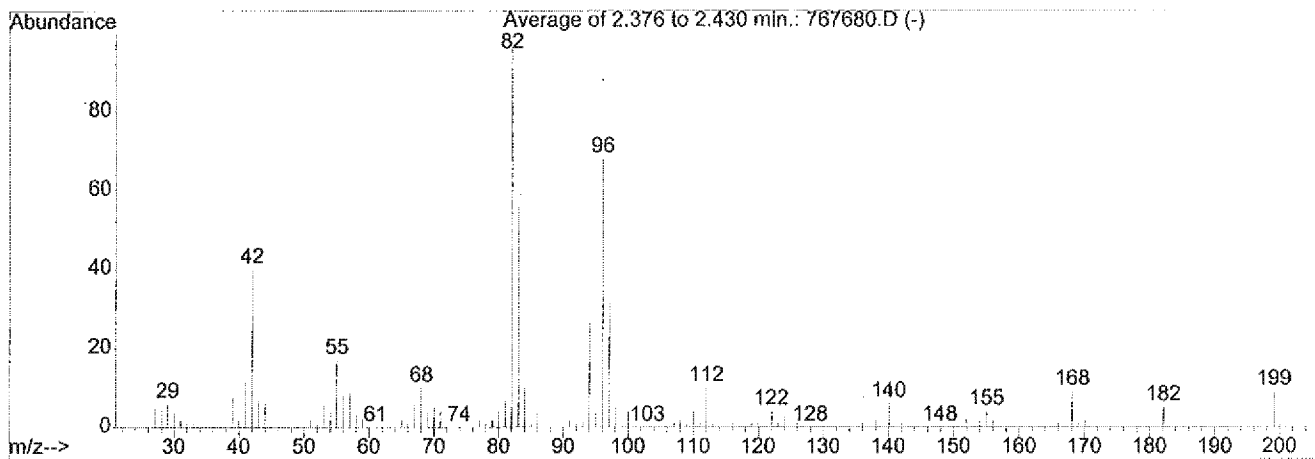
```

File Name       : F:\Q1-2011\SYSTEM8\01_25_11\767680.D
Operator        : ASD/KAC
Date Acquired   : 25 Jan 2011  23:37
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 80
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	2.39	C:\DATABASE\PMW_TOX2.L		
		Cocaine-M (methylecgonine)	007143-09-1	96
		Cocaine	000050-36-2	38
		Cocaine-M (methylecgonine) AC	000000-00-0	38



Area Percent / Library Search Report

Information from Data File:

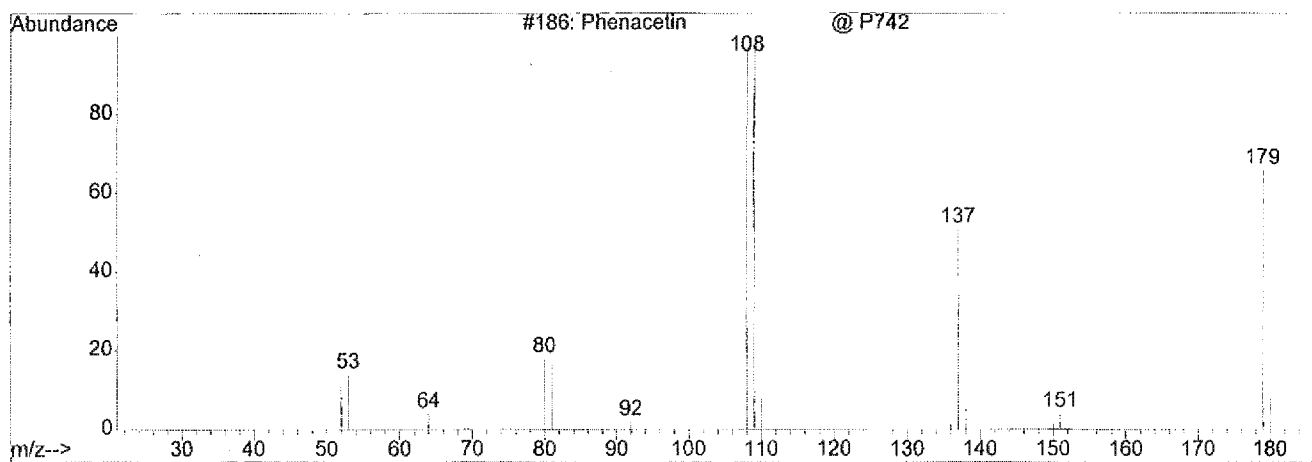
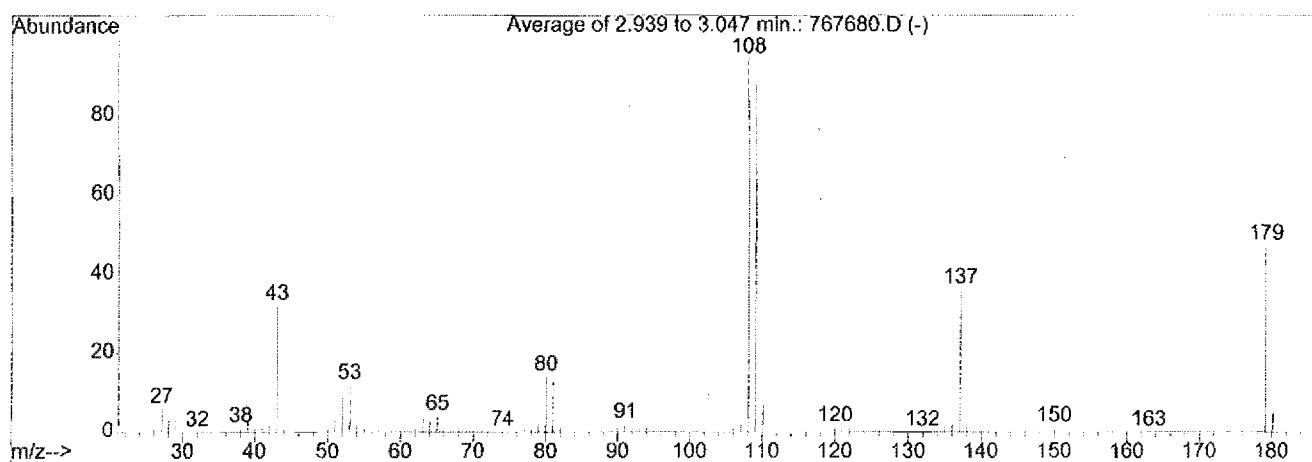
```

File Name       : F:\Q1-2011\SYSTEM8\01_25_11\767680.D
Operator        : ASD/KAC
Date Acquired   : 25 Jan 2011  23:37
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 80
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	2.96	C:\DATABASE\PMW_TOX2.L		
		Phenacetin	@ 000062-44-2	92
		p-Phenetidine	@ 000156-43-4	47
		Bucetin	001083-57-4	38



Area Percent / Library Search Report

Information from Data File:

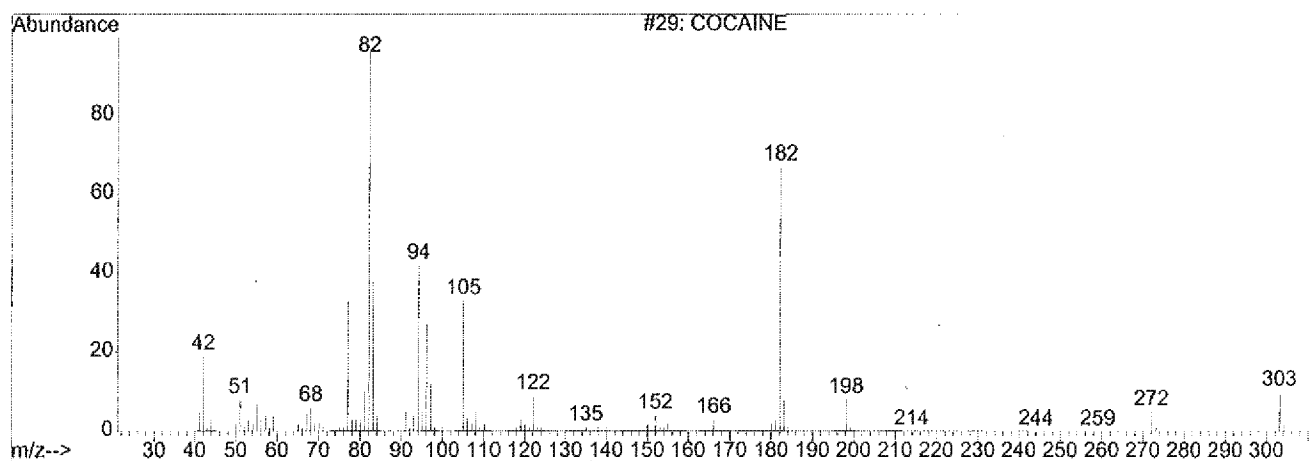
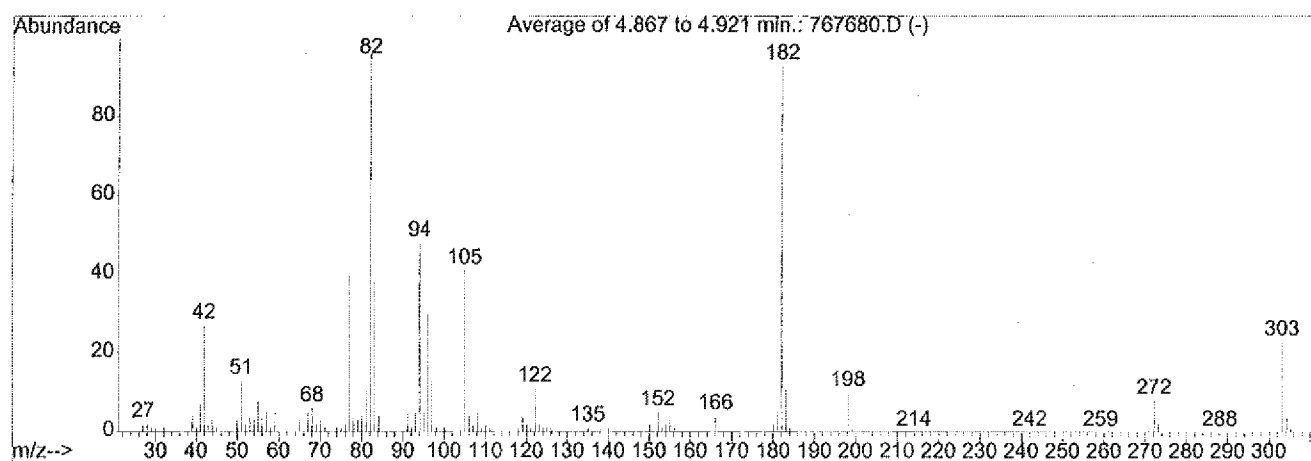
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File Name       : F:\Q1-2011\SYSTEM8\01_25_11\767680.D
Operator        : ASD/KAC
Date Acquired   : 25 Jan 2011  23:37
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 80
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

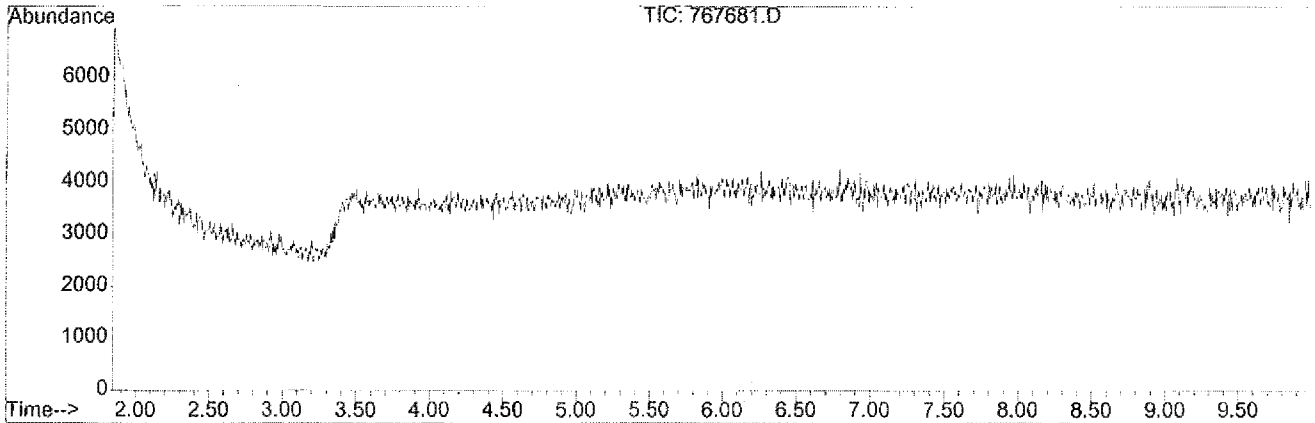
PK#	RT	Library/ID	CAS#	Qual
4	4.90	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767681.D
Operator : ASD/KAC
Date Acquired : 25 Jan 2011 23:50
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



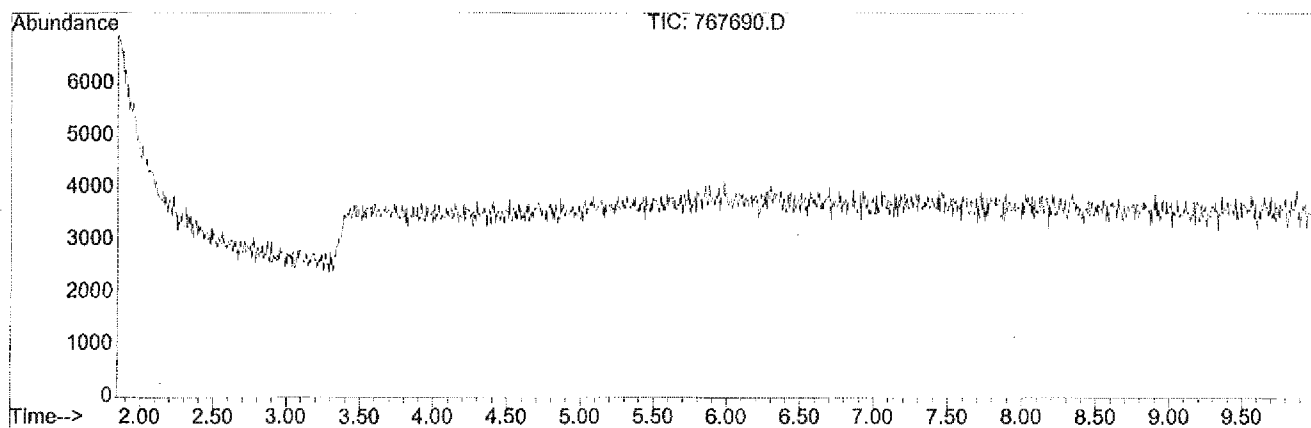
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767690.D
Operator : ASD/KAC
Date Acquired : 26 Jan 2011 1:41
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



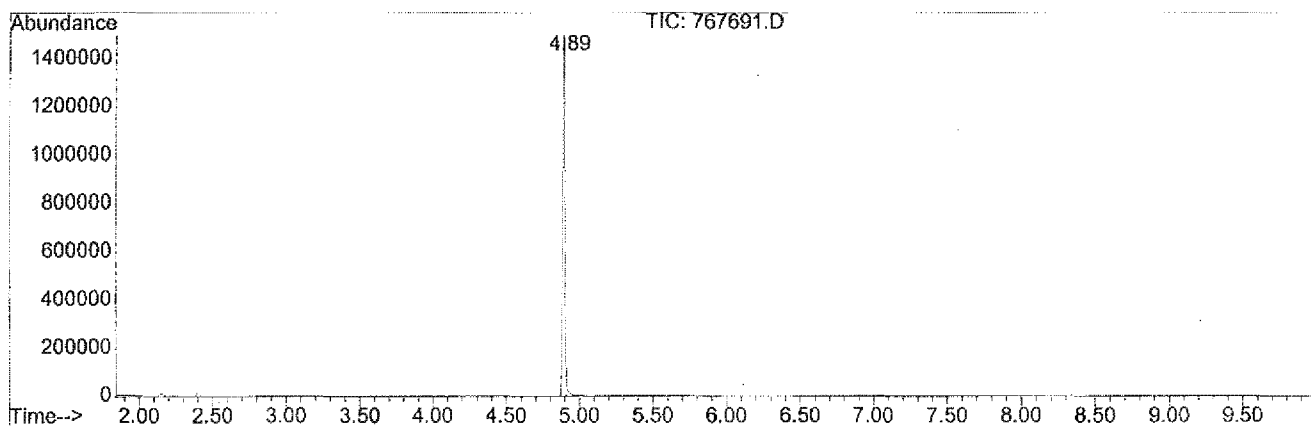
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767691.D
 Operator : ASD/KAC
 Date Acquired : 26 Jan 2011 1:54
 Sample Name : COCAINE STD
 Submitted by : ASD
 Vial Number : 47
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.891	1574422	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

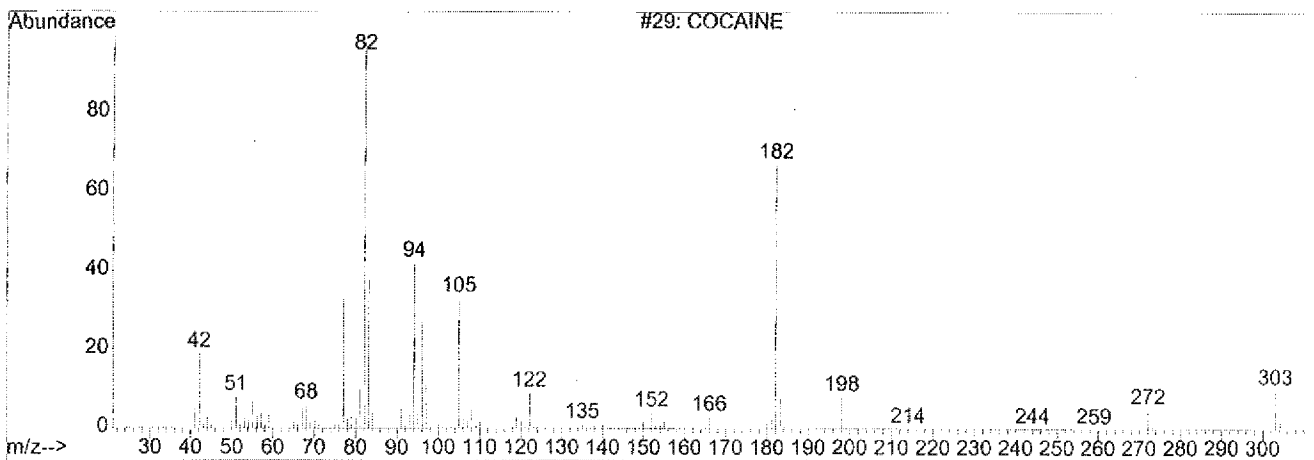
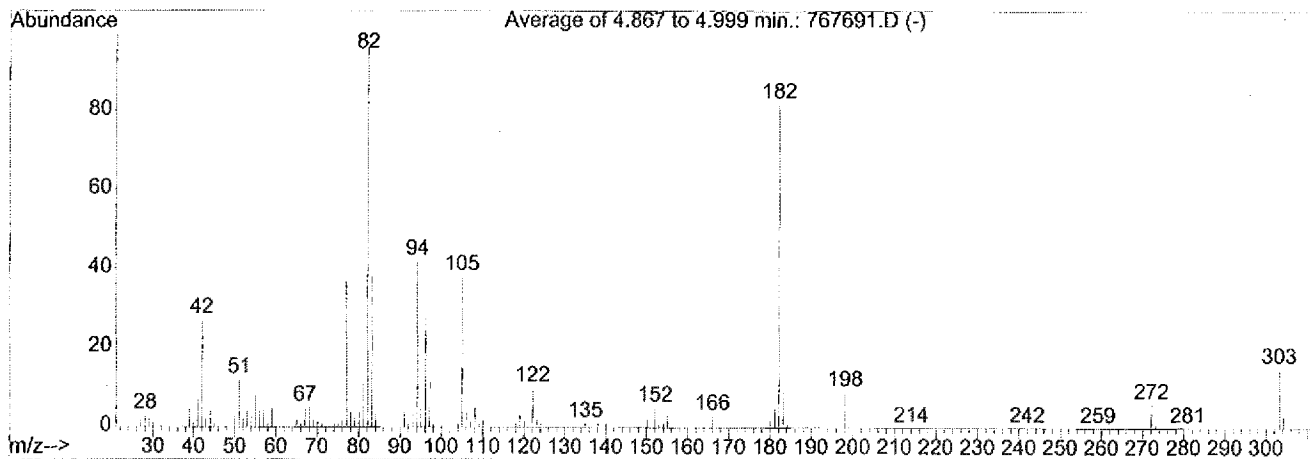
```

File Name       : F:\Q1-2011\SYSTEM8\01_25_11\767691.D
Operator        : ASD/KAC
Date Acquired   : 26 Jan 2011   1:54
Sample Name     : COCAINE STD
Submitted by    : ASD
Vial Number     : 47
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

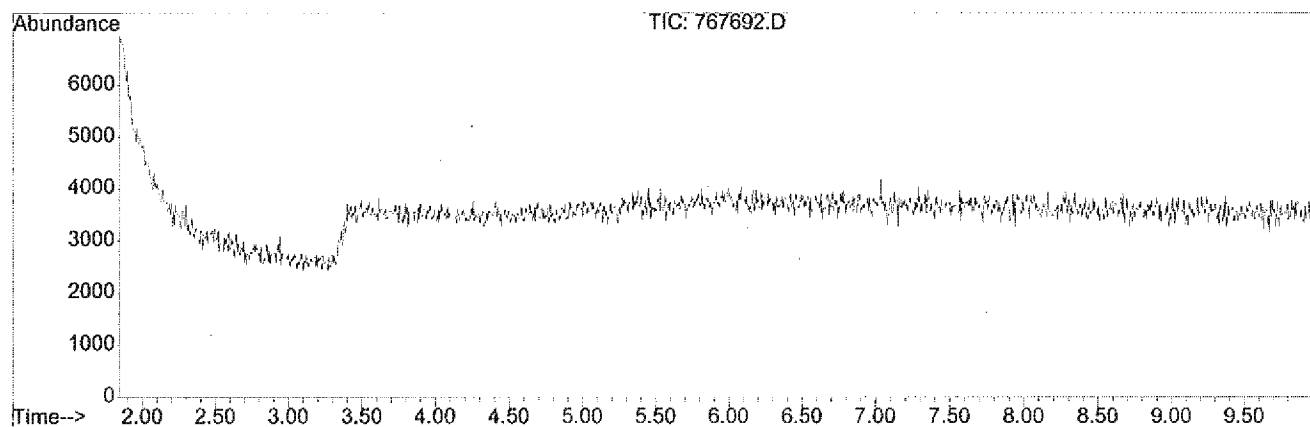
PK#	RT	Library/ID	CAS#	Qual
1	4.89	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM8\01_25_11\767692.D
Operator : ASD/KAC
Date Acquired : 26 Jan 2011 2:06
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS